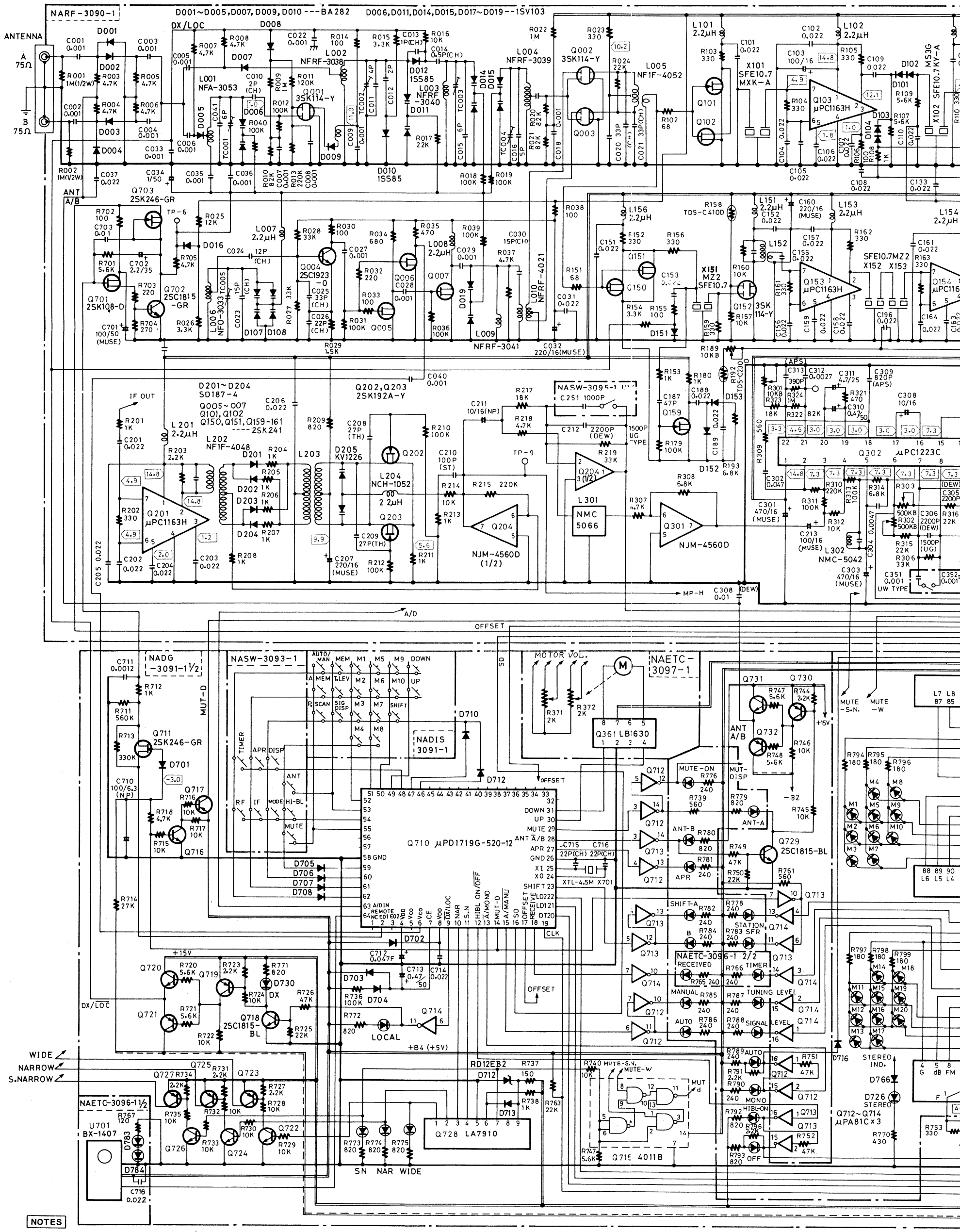
ONKYO

T-9990

MODEL

DIAGRAM MANUAL

SCHEMATIC DIAGRAM



NOTES

- THE COMPONENTS IDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH V.T.V.M.) ▭ V IS DC VOLTAGE. (NO INPUT SIGNAL)
- ELECTROLYTIC CAPACITORS (⊕⊣⊖) ARE IN μF/WV.
- ALL CAPACITORS ARE IN μF/50WV UNLESS OTHERWISE NOTED.
- ALL RESISTORS ARE IN OHMS 1/4 WATTS UNLESS OTHERWISE NOTED.
- ALL DIODES ARE IS2473, 1S2076, US1040 or 1SS133 UNLESS OTHERWISE NOTED.
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

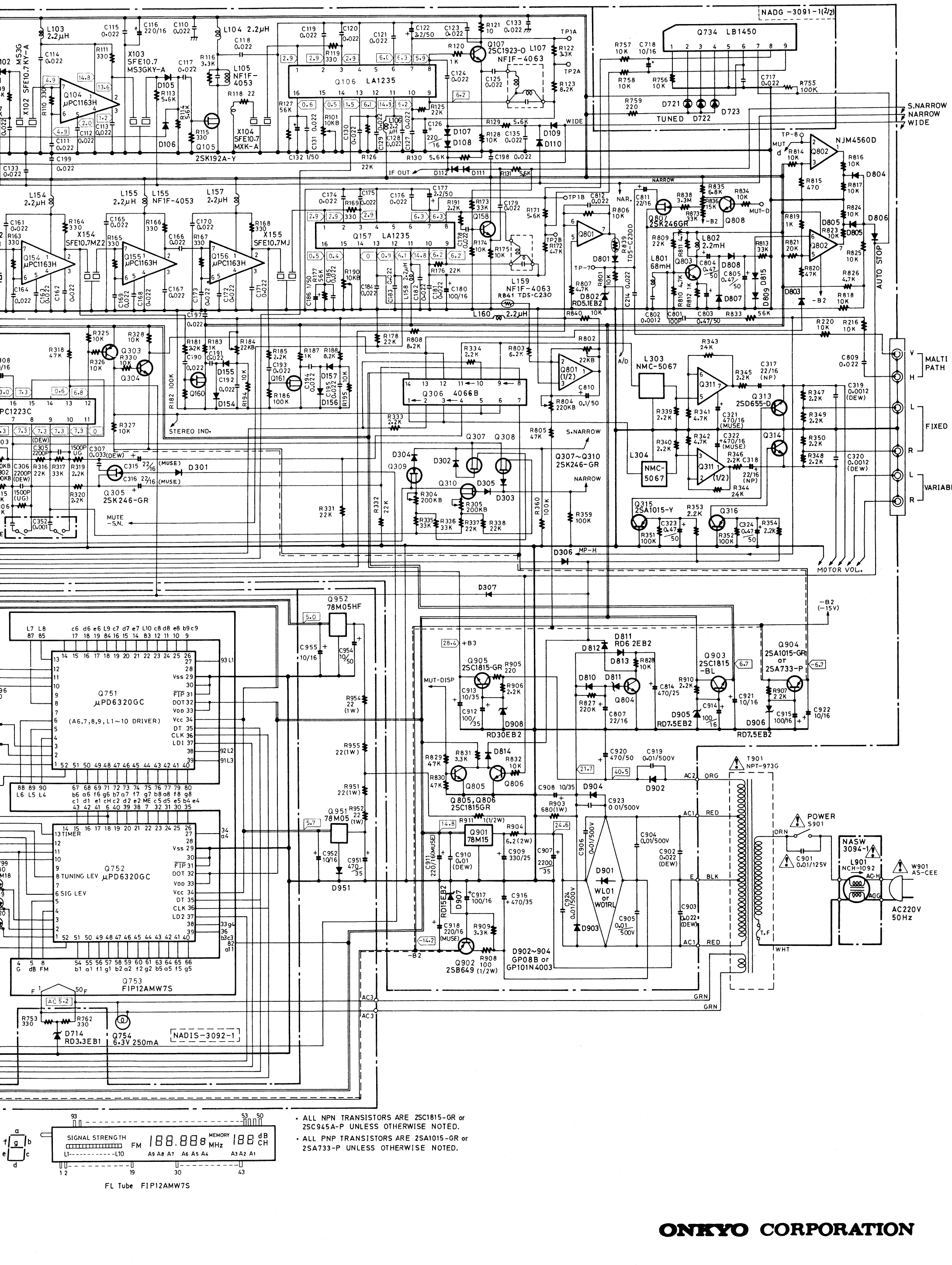
LED : D721~724,727,728, D730,731,733,735, D737,739,740~765 } SEL2413E (GREEN)

D725,726,729,732, D734,736,738,781, D782~784 } SEL2913K (ORANGE)

D781 ---------- SEL2213C (RED)

TIMER D782	S'ATION D763	TUN.L. D764	SIG.L. D765	AUTO D724	STEREO D726	APR D728	WIDE D733	HIBL-OFF D735	AUTO D737	ANT-A D739	LOCAL D729
RECEIVED D781	▷ D721	□ D722	◁ D723	MANUAL D725	MUTE D727	S.NAR D734	NARR D732	HIBL-ON D736	MONO D738	ANT-B D740	DX D730
SHFT-A D741	M1 D743	M2 D744	M3 D745	M4 D746	M5 D747	M6 D748	M7 D749	M8 D750	M9 D751	M10 D752	SFR D731
B D742	M11 D753	M12 D754	M13 D755	M14 D756	M15 D757	M16 D758	M17 D759	M18 D760	M19 D761	M20 D762	

6 | 7 | 8 | 9 | 10 | 11



FL Tube FIP12AMW7S

- ALL NPN TRANSISTORS ARE 2SC1815-GR or 2SC945A-P UNLESS OTHERWISE NOTED.
- ALL PNP TRANSISTORS ARE 2SA1015-GR or 2SA733-P UNLESS OTHERWISE NOTED.